

# CONCENTRATES



"PARDON ME MA'M....BUT YOU'RE ....  
SITTING ON THE BEST.....LOOKING SPECIMEN  
I'VE SEEN.....IN WEEKS!"

DYG

1955 ~ 1956







# MEMBERS - 1969

PRESIDENT      RON OLSON

VICE PRESIDENT      NORM McIVER

SEC'TY      TREAS.      MURRAY PYKE

P. R. O.      MURRAY TODD

CONCENTRATES

Bill Waddell

Garry Edwards

Lee Morrison







## EDITORIAL

Somewhat belated the 1955-56 edition of "The Concentrates" has come off the press. Lack of time coupled to acute physical inertia is proffered as the reason.

There have been a number of major changes in the Geology Department this year. Professor Edmunds has taken a year's sabbatical to tour the world and his academic duties have been taken over by Dr. H. A. K. Charlesworth, a recent graduate of Glasgow and Cambridge Universities. A petroleum engineering course has been initiated this year and the first men will graduate in the spring of 1956. The facilities for the course have been placed in the former Chemical Engineering lab on the west side of the Geology Department. Dr. R. B. Shearn, a graduate of Birmingham, is in charge of the course.

A continually growing department requires enlarged facilities and with the construction of the new power plant a chain move will take place within two years which will substantially enlarge the department. The University maintenance shops on the northeast wing of the Engineering Building are being moved into the old power plant on the northwest side of the building and the Geology Department is being extended into the area vacated by the maintenance shops. That is, the department will extend north of the Geology Library to the Blacksmithing Shops.

A further grant from the Tidewater Associated Oil Company has enabled the department to add three petrographic microscopes, two binocular microscopes and has given considerable assistance to the acquisition of additional lapidary equipment including a diamond lap and polishing equipment. The library has also benefited from these various grants to a significant extent.

The Geology Library is rapidly gaining recognition as an excellent research center with almost a complete file of Federal and Provincial survey publications, the leading journals and other material.

The Geological Survey of Canada, through the National Council on Research, has provided the department with an isodynamic separator and a flame spectrophotometer. The Saskatchewan Research Council has provided a proportional counter.

This new equipment is essential to a healthy department, but of more importance is the rising place the geology department is taking amongst the other Canadian Geological departments. Although a relatively young department Saskatchewan stands fifth amongst Canadian universities granting geologists their first degree. Of interest also is the fact that of all universities in Canada Saskatchewan's 1956 geology department graduating class will be the largest. This is certainly evidence of a vigorous department.







## LOGGING THE GRADS

The following, to the best of our knowledge, are the correct addresses of all the grads of whom we were able to obtain records. Please notify us of any errors or omissions so that the records may be kept up-to-date for the next issue of the Concentrates.

### Class of '29

HAGE, C.O. - Consulting, 103 Derrick Building, Calgary, Alta.

### Class of '30

KEEVIL, N. B. - President, Mining Geophysics Corporation Limited,  
11 Jordan St., Toronto.

### Class of '31

WILSON, N. L. - 2 Donegal Avenue, Greenside E.,  
Johannesburg, Union of South Africa.

### Class of '32

NICHOLSON, T. A. E. - Farming, Tuxford, Sask.  
SHAW, G. - Geophysical and Geological Consultant, Ottawa.

### Class of '33

GARNETT, R. E. - 118 Martin Avenue, Winnipeg, Man.  
LANDES, R. W. - Assistant Manager in charge of Exploration, Imperial Oil  
Limited, Calgary, Alta.

### Class of '34

MALOUF, S. E. - Consulting Geologist, Box 134, Chibougamau, P. Que.  
NORDAL, J. G. - 241 Gorge Road, E., Victoria, B. C.

### Class of '35

HOGG, C. A. L. - Deputy Minister, Department of Mineral Resources,  
Administration Building, Regina, Sask.  
SCOTT, J. S. - Kenneco Explorations Limited, Room 802, 402 West Pender  
St., Vancouver, B. C.  
WEIR, J. D. - Vice-president, California Standard, R. 65, Sea View Avenue,  
Piedmont, California.

### Class of '36

ALLAN, R. B. - Geologist, Faraday Uranium Mines, Limited, Bancroft  
Area, Ontario.  
BAKER, J. H. - Canuck Gold Mines, Isaka, Tanganyika, South Africa.  
CROTEAU, F. L. - Osler, Hammond and Nanton, Calgary, Alta.  
ELSLEY, B. C. - 1506 Blodgett, Houston, Texas.  
HART, E. A. - Quyon, Que.  
HARVEY, R. A. - 2031 - 40th Avenue, S. W., Calgary, Alta.  
MOSS, A. E. - Chief geologist, Iron Ore Company of Canada, Montreal 9,  
P. Q.







PARRES, J. C. - Managing Director, Dee Explorations Limited, 502 Standard Building, Saskatoon, Sask.

ROBINSON, W. G. - Geologist for Ventures Limited, Noranda, P. Q.

STEWART, G. T. - Deceased, 1953.

THOMPSON, M. C. - Canuck Gold Mines, Isaka, Tanganyika, South Africa.

THOMSON, J. A. - Box 97, Yellowknife, N.W.T.

TIBBITT, J. F. - 822, 16th St. N.W., Calgary, Alta.

TRENHOLM, L. S. - Consulting Geologist, 186 Frontenac Avenue, Noranda, Que.

#### Class of '37

AKEHURST, A. J. - Shell Oil, Calgary, Alta.

AMES, H. - 800 Colony Street, Saskatoon, Sask.

CLARKE, J.M.C. - Vancouver, B. C.

CREED, D.A. - H.B.M. and S., Flin Flon, Man.

FOULDS, W.A.H. - Ft. Qu'Appelle, Sask.

GREIG, E. W. - Aluminum Co. of Canada, Hudson Heights, P.Q.

MACKEY, D. G. - Aeromagnetic Survey Limited, 1460 O'Connor Drive, Toronto, Ontario.

MORROW, H. F. - Gardner, Low and Morrow (Mining and Petroleum Geologists), 16 Banner Building, Regina, Sask.

PENNER, D. G. - Research Geologist, Royalite Oil Company, Calgary, Alta.

REDFORD, L. R. - Aunor Mines, Timmins, Ontario.

SWANSON, E. A. - Buchans, Newfoundland.



#### Class of '38

BERENBOM, George - 2036 Cropsey Avenue, Brooklyn 14, N.Y.

CHRISTOPHER, I. C. - Box 280, Bourlamarque, Que.

CRULL, E. T. - Dickenson Red Lake Mines, Limited, Balmerton, Ont.

DENTON, W. E. - International Petroleum, Talara, Peru.

GALLUP, W. B. - Consulting Geologist, Calgary, Alta.

HANCOCK, W. P. - Merrill Petroleum Limited, 510A 8th Avenue W, Calgary, Alta.

MCDUGALL, G.H. - Giant Yellowknife Gold Mines, Limited, N.W.T.

MOORE, G. N. - Exploration Superintendent, C.M. & S., Port Arthur, Ont.

PARRES, A. L. - Consulting Geologist, Flin Flon, Man.

#### Class of '39

BROWN, G. H. - 310 Lanark St., Winnipeg, Man.

BROWNING, J. M. - Divisional Geologist, The Bay Petroleum Corporation, Calgary, Alta.

CLARE, F.B.L. - Imperial Oil Company, Calgary, Alta.

CLARE, H. - 115 25 Notre Dame St. E., Pointe aux Trembles, Montreal, P.Q.

HAHN, H. G. - No. 36 Cecil Street, Toronto, Ontario.

LABERGE, A. L. - Assistant Superintendent, Leduc Oil Field, Calgary, Alta.

LAWSON, W. R. - Teaching at Balfour Technical School, Regina, Sask.

NORRIS, R. W. - 1500 King St. West, Toronto, Ont.

PETTIGREW, R. K. - Petroleum Engineer, Shell Oil Company, Calgary, Alta.

SANDERSON, W. J. - Imperial Oil Limited, Regina, Sask.

SIDDONS, J. D. -

THORSON, E. F. - Imperial Oil Limited, Edmonton, Alta.

THRALL, G. W. - Chief Geologist, Levack Mine, INCO, Levack, Ont.







WARNING, G. F. - Geology Department, C.M. & S. Kimberley, B. C.  
WHATLEY, J. M. - Head of Hoist Department, Canadian Ingersoll-Rand Co.,  
800 New Birks Building, 620 Cathcart Street,  
Montreal, P. Q.

Class of '40

BADENOCK, D. C. -  
BAILLIE, W. - Frontier Geophysical Limited, 1504 - A 14th Street S.W.,  
Calgary, Alta.  
BEARD, G. C. - Beard Drilling Company, Calgary, Alta.  
DOUGLAS, J. M. - C. M. & S., Yellowknife, N.W.T.  
FAST, H. J. - Chief Engineer of Maintenance of Way of Central Region,  
Union Station, Rm. 426, Toronto 1, Ontario.  
GREENBERG, M. - 329 1/2 Pritchard Avenue, Winnipeg, Man.  
HENRY, V. D. - Youth Employment Bureau, Toronto, Ontario.  
KEEVIL, A. R. - California Standard Oil, Calgary, Alta.  
McPHERSON, W. J. - Calvin Consolidated Oil and Gas,  
624 - 9th Avenue West, Calgary, Alta.  
PEEK, G. C. - R.C.A.F. Summerside, P.E.I.  
THODAY, G. P. - Box 115, Haileybury, Ont.

Class of '41

AKEHURST, E. L. - Importer for Leo de Kegel Diamonds, Dorval, Que.  
CAIRNS, R. B. - Mine Geologist, H.B.M. & S., Flin Flon, Man.  
CAVERLY, J. - Gardner - Denver Company, Quincy, Ill.  
CHACHULA, S. - Farming at Bienfait, Sask.  
FRANTZ, J. C. - Mining Geophysics, Toronto, Ont.  
HARDING, S.R.L. - J. C. Sproule and Associates, 901 - 8th Avenue,  
W. Calgary, Alta.  
IBBOTSON, J. - Radisson, Sask.  
LADD, H. S. - Aluminum Company of Canada, Arvida, P.Q.  
MARKLAND, G. D. - Britannia Mines, Britannia Beach, B.C.  
SHIRKIE, J. - R.R. #1, Clairemont, Ontario.  
TAYLOR, B. - Geologist, Quemont Mining Corporation, Noranda, P.Q.

Class of '42

CONNICK, T. - Imperial Oil Limited, Calgary, Alta.  
COONS, R. M. - Vice-President, Lloydminster Development Company,  
Lloydminster, Sask.  
HAMILTON, F. J. - Consulting, Calgary, Alta.  
MOONEY, G. - Taking Mining Course at University of British Columbia,  
Vancouver, B.C.

Class of '43

FORREST, J. M. - C.M. & S., Kimberley, B.C.  
MARSHALL, G.M.T. - INCO Stobie Mines, Sudbury, Ontario  
OSTAPOVITCH, S. R. - Theodore, Sask.  
POUNDER, D.A. - District Geologist, Standard of California, Brandon, Man.  
URTON, R. E. - Shell Oil Company, Calgary, Alta.







Class of '44

EASTWOOD, G.E.P. - Department of Mines, Parliament Buildings, Victoria, B.C.  
LEPP, H. - University of Minnesota, Duluth Br., Duluth 55, Minn., U.S.A.  
MATTHEWS, J. G. - Geologist, Development Department, C.P.R., Calgary, Alta.  
WATSON, H. D. - Pipe Line Company, Edmonton, Alta.

Class of '45

LATOUR, B. A. - G.S.C., Ottawa, Canada.  
PORTER, J.W. - District Geologist, Canadian Superior Oil Company of California, Regina, Sask.  
THORSTEINSON, R. - Geological Survey of Canada, Ottawa, Canada.  
USHER, J. L. - Teaching palaeontology and stratigraphy at Queen's University, Kingston, Ontario.

Class of '46

KIRKLAND, R. S. - Iron Ore Company of Canada, 1690 Graham Blvd., Montreal, P. Q.  
MATHESON, K. A. - Oilfields Consultant Limited, Calgary, Alta.  
SPROUL, W. R. - C.M. & S., Yellowknife, N.W.T.

Class of '47

ASTON, H. F. - C.M. & S. Port Arthur, Ontario  
CHERITON, C. - Anaconda American Brass Limited, New Toronto, Ontario.  
DAHLSTROM, C.D.A. - California Standard Company, Calgary, Alta.  
PILOSKI, M. - (home address) Box 1308 Portage la Prairie, Man.

Class of '48

BAILLIE, R. M. - 2110 - 26th Avenue West, Calgary, Alta.  
BANNISTER, W. E. - California Standard Oil, Calgary, Alta.  
CALIMENTE, D. - Bauzite du Midi, B.P. 121, Conakry, French West Africa.  
GRANT, G. D. - California Standard Oil Company, Calgary, Alta.  
HEWETSON, H. - Imperial Oil Limited, Calgary, Alta.  
HORNFORD, H. - Imperial Oil Limited, Regina, Sask.  
KUTZ, K. J. - Snow Lake, Man.  
MacDONALD, G. K. - International Petroleum, Lima, Peru.  
MacLEOD, R. - California Standard Oil, Calgary, Alta.  
McNINCH, J. - J. C. Sproule and Associates, 901 - 8th Avenue W., Calgary, Alta.  
POW, J. R. - Petroleum and Natural Gas Conservation Board, 514 - 11th Avenue West, Calgary, Alta.  
STUBBINS, J. - Iron Ore Company of Canada, Knob Lake, Que.

Class of '49

BEARE, R. O. - Overseas S.V.P.M. Soengi, Gerong, Palembang, Sumatra, Indonesia.  
BLEAKLEY, S. B. - Royalite Oil Company, Calgary, Alta.  
BROWN, M. L. - Geologist, Aunor Gold Mines, Timmins, Ont.  
BUCKLAND, R. S. - Royalite Oil Company, Calgary, Alta.







CROCKER, C. S. - Howe-Sound Exploration Company, Snow Lake, Man.  
CUNNINGHAM, G. E. - Anglo-American Exploration, Calgary, Alta.  
DUMMETT, J. F. - Pt. Radium, N.W.T., c/o Box 160, Edmonton, Alta.  
FLOOD, A. L. - Canadian Superior Oil of California, 1810 - Albert Street, Regina, Sask.  
FLOWER, R. J. - California Standard Oil Company, Calgary, Alta.  
GOULD, C. D. - British American Oil Company, Regina, Sask.  
HAMES, F. E. - Geologist with Sohio Oil Company, Regina, Sask.  
HAMILTON, G. J. - Royalite Oil Company, Regina, Sask.  
HATELID, W. G. - H.B.M. & S. Flin Flon, Man.  
HAUGRUD, G. - District Geologist with Royalite Oil Company, Edmonton, Alta.  
JACKSON, K. E. - Geologist with Canadian Superior Oil Company, Edmonton, Alta.  
JANKOWSKI, L. V. - 8 Blanchard St., Minnow Lake, Ont.  
KEITH, J. W. - Renneessee Oil & Gas Company, Calgary, Alta.  
LAATSCH, H. K. - Geologist with Superior Oil Company, Box 745, Billings, Montana.  
LOUCKS, W. A. - Canadian Superior Oil Company, Calgary, Alta.  
MackAY, I. H. - California Standard Oil Company, Calgary, Alta.  
McKENZIE, R. O. - Geologist with Hudson Bay Oil & Gas, Calgary, Alta.  
MOREAU, M. J. - Moreau, Woodward & Company, Limited, (Geophysical Exploration) Box 522, Flin Flon, Man.  
NESBITT, J. - Geologist with Imperial Oil Limited, Regina, Sask.  
PEARSON, W. J. - Geology Department, Queen's University, Kingston, Ont.  
PICKEL, J. S. - Geologist with Imperial Oil Limited, Regina, Sask.  
RIMMER, W. H. - Geologist, Texaco Exploration Company, Calgary, Alta.  
RODE, E. R., - Rush Lake, Sask.  
ROMPRE, B. J. - Stanolind Oil Company, Calgary, Alta.  
SMITH, J. R. - Geophysical Institute, Washington, D. C.  
Steady, J. A. -  
STOBART, J. E. - Dominion Oil Limited, Box 199, Port of Spain, Trinidad.  
WARICK, J. S. - Production Staff of H.B.M. & S., Flin Flon, Man.  
WILSON, R. J. - Yellowknife, N.W.T.

Class of '50

AMBLER, J. S. - Sohio Petroleum, Regina, Sask.  
DEVINE, J. - Imperial Oil Limited, Edmonton, Alta.  
FRANCIS, D. R. - Western University, Chicago, Ill.  
FRIESEN, P. S. - 2329 - 3rd Ave. E., Prince Albert, Sask.  
HODGSON, F. P. - Box 160, Edmonton, Alta.  
HORTON, A. G. - 421 Staff Hotel, Deep River, Ont.  
KIRKLAND, S.J.T. - Department of Mineral Resources, Regina, Sask.  
POTAPOFF, P. - Falconbridge, Ontario  
POWLEY, D. E. - Stanolind Oil and Gas Company, Calgary, Alta.  
SODERLAND, H. W. - Jamestown, Ontario  
TOMLIN, M.M. - Department of Mineral Resources, Regina, Sask.  
TORRIE, J. E. - Tidewater Associated Oil, Regina, Sask.  
VOLLO, N. B. - Snow Lake, Man.  
ZUROWSKI, M. - 1002 - 110th Street, North Battleford, Sask.  
KOSTIUK, M. - 18 Churchill Ave., Flin Flon, Man.

Class of '51

BECKIE, K. N. - H. B. Oil & Gas, 534A - 8th Avenue W., Calgary, Alta.  
CUMMINGS, G. L. - Canadian Gulf Oil Company, Calgary, Alta.  
DREW, D.A. -







JOHNSTON, G. K. - 1216 - 33rd Street East, Saskatoon, Sask.  
KENDALL, G. H. - Imperial Oil Limited, Regina, Sask.  
KERMEEN, J. S. - Consulting Geologist, Uranium City, Saskatchewan.  
McMILLAN, N. J. -(M.Sc.), University of Kansas, Lawrence, Kansas.  
MULLOCK, J. E. - INCO, Sudbury, 605 Queen Elizabeth St., Lively, Ont.  
SQUIRE, G. D. - 202 Avenue L, North, Saskatoon, Sask.  
STALMACH, E. W. - Melville, Sask.  
VIGRASS, L. W. - Stanford University, California, U.S.A.  
WILLIAMS, F. J. - Sask. Federated CoOp., Saskatoon, Sask.

Class of '52

AGAR, C. F. - Shell Oil Company, Calgary, Alta.  
ALMOND, P. - Iron Ore Company of Canada, 4750 Plamondon Ave., Apt. 15,  
Montreal, Que.  
BERG, C. A. - California Standard Oil Company, Peace River, Alta.  
BOYKO, W. - McGill University, Montreal, Que.  
CRANE, J.P.T. - Socony-Vacuum Exploration Company, Calgary, Alta.  
EDMUNDS, R. - Shell Oil Company, Regina, Sask.  
FRASER, D. J. - 709 - Constant Avenue, The Pas, Man.  
McLEOD, G. J. - Geologist, Oil Division, U. S. Smelting, Refining,  
and Mining Co., Regina, Sask.  
O'BERTOS, E. - Royal Bank Building, Regina, Sask.  
REISNER, C. H. C. - Limerick, Sask.  
ROTHERHAM, D. C. - Geology Division, C. M. & S., Trail, B.C.  
VOGT, P. R. - Imperial Oil Limited, Regina, Sask.

Class of '53

BASARABA, K. E. - Socony-Vacuum, Swift Current, Sask.  
MAGDICH, F. S. -Texaco Exploration Company, Calgary, Alta.  
MATHEW, P. R. - Con Office, Yellowknife, N.W.T.  
WILSON, D. - Imperial Oil Limited, Edmonton, Alta.  
WOROBAY, W. A. - Shell Oil Company, Edmonton, Alta.

Class of '54

ARMITAGE, J. H. - Imperial Oil Limited, Regina, Sask.  
BERISOFF, M. - R.R. #1, Langham, Sask.  
CLARK, L. A. - Geology Department, McGill University, Montreal, Que.  
CROCKER, G. W. - Shell Oil Company, Calgary, Alta.  
CRYDERMAN, J. M. - Imperial Oil Limited, Regina, Sask.  
DUDAR, J. S. - Eldorado Mining & Refining Company, Eldorado, P.O., Sask.  
GISLASON, B. G. - Ontario Mining Association, Toronto, Ont.  
JORDAN, S. P. - Shell Oil Company, Regina, Sask.  
LEE, R. E. - Canadian Superior Oils, Regina, Sask.  
MACRONE, A. W. - Canadian Gulf Oil Company, Calgary, Alta.  
OSACHOFF, S. - Shell Oil Company, Calgary, Alta.  
PAXTON, J. - Brooks, Alta.  
PETRUK, W. - Geology Department, McGill University, Montreal, Que.  
SHKLANKA, R. - University of Saskatchewan, Geology Department  
THOMAS, R. B. - British American Oil Company, Regina, Sask.





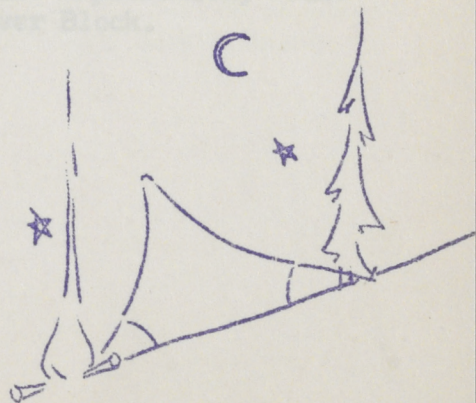


Class of '55

CHERNOFF, C. N. - Mastering, University of Saskatchewan, Geology Department.  
DEYHOLOS, A. M. - British America Oil Company, Regina, Sask.  
ECKSTRAND, O. R. - Mastering, University of Saskatchewan, Geology Department.  
FREY, J. - Tidewater Associated Oil Company, Regina, Sask.  
FROESE, E. - Mastering, University of Saskatchewan, Geology Department.  
FROST, N. - Tidewater Associated Oil Company, Regina, Sask.  
GRASDAL, C. O. - Stanolind Oil and Gas Company Limited, Calgary, Alta.  
HOVDEBO, H. R. - Mastering, University of Saskatchewan, Geology Department.  
KENNEDY, G. - Dee Exploration, Saskatoon, Sask.  
LESIUK, O. - Dee Exploration, Saskatoon, Sask.  
McMURTRY, G. J. - Royalite Oil Company, Regina, Sask.  
MELNYK, M. J. - Canadian Gulf Company, Calgary, Alta.  
NILSEN, L. R. - Gulch Mines, Uranium City, Saskatchewan  
PITULEY, L. J. - Iron Ore Company of Canada, Knob Lake, Quebec  
SAWATSKY, L. H. - Shell Oil Company, Calgary, Alta.  
SIEMENS, D. L. - Amurex, Calgary, Alta.  
SMITH, B. K. - California Standard Oil Company, Calgary, Alta.

"A GEOPHYSICIST is a person who passes as an exacting expert on the basis of being able to turn out with prolific fortitude infinite strings of incomprehensible formula calculated with micromatic precision from vague assumptions which are based on debatable figures taken from inconclusive experiments carried out with instruments of problematic accuracy by persons of doubtful reliability and questionable mentality for the avowed purpose of annoying and confounding a hopeless chimerical group of fanatics known as Geologists."

Definition - A committee is a group of the unfit, chosen by the unwilling, to do the unnecessary.









# UNDERGRAD ACTIVITIES

Summer 1955

## Fourth year Engineers

<u>Name</u>	<u>Home address</u>	<u>Summer activity</u>
Bishko, J. P.	Meath Park, Sask.	Inco, northern Saskatchewan
Bodnarchuk, A.	Brooksby, Sask.	Eldorado Mining & Refining, Eldorado, Sask.
*Cochrane, B. D.	Regina, Sask.	Tidewater Associated Oil Co., Regina, Sask.
Day, D. A.	Saskatoon, Sask.	Inco, Northern Saskatchewan.
Edwards, R. G.	Wilkie, Sask.	Canadian Gulf Oil Co., Ferne, B. C.
Greenwood, G. M.	Carnduff, Sask.	Saskatchewan Geological Survey.
*Jackman, L. D.	Strasbourg, Sask.	Sask. Geological Survey.
Kanik, T.	Goodeve, Sask.	Shell Oil Company, Midale, Sask.
*Leverson, I. L.	Swift Current, Sask.	Geological Survey of Canada, Coleman, Alta.
*McElroy, M. E.	Archerville, Sask.	Diamond Drill Exploration, Blackstone Lake, Sask.
McGinn, G. J.	Valor, Sask.	Geological Survey of Canada, Uranium City, Sask.
Matwe, L.	Moose Jaw, Sask.	California Standard, Alberta Foothills.
Meneley, R. A.	Maple Creek, Sask.	Saskatchewan Geological Survey, Squaw Creek, Conjuring River Area.
Meneley, W. A.	Maple Creek, Sask.	Cominco, Kimberley, B.C.
Olson, R. E.	Flin Flon, Man.	California Standard Oil Co., N.W.T.
Rogan, A. D.	Moose Jaw, Sask.	Imperial Oil, northern Alberta and B.C.
*Smith, D. C.	Saskatoon, Sask.	Geological Survey of Canada, Arctic Islands
Tikkanen, G. D.	Flin Flon, Man.	Great Plains Development Co., Calgary, Alta.
Wild, J.	Rimby, Alta.	Texaco Exploration, Peace River Block.
Waddell, W. H.	Saskatoon, Sask.	

\* Petroleum Engineering.







Arts

Brunt, G. M.	Regina, Sask.	Sask. Geological Survey, Northern Saskatchewan
Hambley, G. B.	Basswood, Man.	Canadian Nickel Co., La Ronge, Sask.
Janzen, O. A.	Rosthern, Sask.	Inco, northern Saskatchewan.
McIver, N. L.	Moose Jaw, Sask.	Canadian Gulf Oil Company, Alberta Foothills
Morrison, L. G.	Robsart, Sask.	Falconbridge Exploration Division, Kenora, Ont.
Nutting, A. L.	Radisson, Sask.	Eldorado Mining & Refining Co., Beaverlodge, Sask.
Pyke, M.	Saskatoon, Sask.	Tidewater Associated Oil Co. Operator, Kipling, Sask.
Spratt, L. M.	Regina, Sask.	

Third year Engineers

<u>Name</u>	<u>Home address</u>	<u>Summer activity</u>
Crawford, L. B.	Watrous, Sask.	Canadian Broadcasting Corporation, C.B.K.
Dundas, J. R.	Francis, Sask.	Farm
Gilbertson-Pritchard, K.C.	Regina, Sask.	B. A. Oil Company, Regina, Sask.
Howrie, I. S.,	Regina, Sask.	Saskatchewan Government
Kent, D. M.	Regina, Sask.	Geological Survey of Canada, Maricen River Area, N.W.T.
Kitzan, P.	Theodore, Sask.	Sask. Dept. of Agriculture
Nichol, M. A.	Regina, Sask.	P.F.R.A., Regina, Sask.
Sakundiak, E. C.	Verigin, Sask.	California Standard Oil Co., Virden, Man.
Todd, M. B.	Shaunavon, Sask.	Tidewater Associated Oil Co., Shaunavon, Sask.

Arts

Best, M. M.	Regina, Sask.	Co-Op Refinery, Regina, Sask.
Daae, H. D.	Torquay, Sask.	Sask. Geological Survey, Northern Saskatchewan
Isfan, G.	Dysart, Sask.	C.N.R., Kitimat, B.C.
Larson, L. H.	Saskatoon, Sask.	R.C.A.F.
Mitchell, F. Mc.	Prince Albert, Sask.	Geological Survey of Canada, Northern Saskatchewan
Mueller, P. A.	St. Benedict, Sask.	
Podhorodeski, P.		







Second year Arts

Name	Home address	Summer activity
Burnup, A. J.	Edmonton, Alta.	Power Co., Edmonton, Alta.
Dayman, G. K.	Regina, Sask.	Ducks Unlimited, Saskatchewan.
Doane, H. L.	Moose Jaw, Sask.	B.A. Oil Co., Lab. Moose Jaw, Sask.
Rudichuk, R. A.	Saskatoon, Sask.	Sohio Petroleum, Geophysical.
Dawson, R. S.	Saskatoon, Sask.	
Leblanc, M.		U.R.T.P. Winnipeg, Man.

THE BUMBLEBEE CANNOT FLY

According to theory of aerodynamics and as may be readily demonstrated through laboratory tests and wind tunnel experiments, the Bumblebee is unable to fly. This is because the size, weight and shape of his body, in relation to the total wing spread, makes flying impossible.

BUT . . . . . The Bumblebee, being ignorant of these profound scientific truths, goes ahead and flies anyway - - and manages to make a little honey every day!







## FACULTY'S ACTIVITIES - 1955

Dr. Byers was elected a Fellow of the Royal Society of Canada in 1955 and attended the Society's meeting in Toronto in March. Congratulations from The Ore Gangue.

His summer was spent in the Flin Flon area, assisted by Roger Eckstrand, testing a method of geochemical field prospecting.

### Professor F. H. Edmunds -

It was mentioned on an earlier page that Professor Edmunds has taken a year's sabbatical to tour parts of the free world. An examination of a list of his ports of call reads like a Fitzgerald travelogue series and what follows is a brief resume of his trip.

Professor Edmunds accompanied by Mrs. Edmunds, left early last June by boat for Liverpool. After a short visit in England they moved onto the Continent and in Paris they met Dr. and Mrs. Spinks (Dr. Spinks was one of five scientists to represent Canada at the Geneva Conference). From Paris they motored to Rome via Switzerland and then returned to England where they toured Scotland.

An interesting "side" trip at this time carried Professor Edmunds to the Middle Eastern oil fields where he took in Lebanon, Syria, Iraq, Iran, Kuwait, Bahran, Qatas, Frucial coast and Oman. Returning to England he and Mrs. Edmunds jumped the Channel to spend Christmas with their son who is in the Canadian Army and stationed in Germany.

From Germany the Edmunds returned to England and took a boat to South Africa. After a visit here they plan on covering Australia and New Zealand arriving in Canada at Vancouver in the late summer of this year. Total elapsed time - approximately 15 months. Mileage - considerable.

Dr. Mawdsley spent most of last summer holding the fort at the University. One result of the summer's activities was his report on "The Geology of the Middle Foster Lake map area" for the Department of Mineral Resources. As President of Section IV of The Royal Society of Canada he attended the annual meeting in Toronto where two symposiums of major interest were organized, one on the Grenville and the other on radioactive dating. The Geological Association of Canada, of which Dr. Mawdsley is also president, met with the Royal Society at the same time.

Dr. Mawdsley took two side trips last summer. The first to northern Saskatchewan in the Blackstone Lake area and the second to a Nevada gold mine situated on the Comstock Lode.







Dr. Kupsch was another peripatetic staff member during the past summer. After doing some field work in the Moose Mountain area of southeastern Saskatchewan he and his family flew via KLM to Holland early in July. From Holland the Kupsch's moved to England for a few days, then back to the Continent. From Holland they motored through West Germany to the Austrian Alps. Here Dr. Kupsch combined "tourism" and geology and made a brief study of some of the Alpine glaciers before continuing on to Venice and Florence. From here the Kupsch's retraced their route back through Austria, Germany and finally Holland, returning to Canada via KLM in late in September.

Dr. H. A. K. Charlesworth -

H. A. K. Charlesworth was born in Ireland and received his primary education there. In 1949 he crossed the Irish Sea to attend Cambridge University, but it was only after being on field trips to several areas in the British Isles and France that he decided to major in geology.

From Cambridge he went to Glasgow University to study for his Ph.D. spending his summers in the west of Ireland. He spent the winter of 1954-1955 lecturing at the University of St. Andrews and playing golf on the world famous course nearby.

His interests lie in glacial geology and that branch of geophysics known as paleomagnetism: he has written papers on both subjects. At present he is examining fossils from the Unity shaft and some unusually well preserved graptolites in limestone samples gathered from the Arctic Islands. He intends working for Imperial Oil this summer.

#### MASTERS STUDENTS 1955 - 1956

C. N. Chernoff  
E. A. Christiansen  
O. R. Eckstrand  
E. Froese  
H. R. Hovdebo  
J. S. Shackleton  
R. Shklanka  
W. H. Waddell









## PETROLEUM ENGINEERING

The problems encountered in starting a new course from bare walls and filing cabinets are best exemplified by the activities of Dr. R. B. Shearn, who is in charge of the course. The Concentrates reporter found him on the floor surrounded by an assortment of pipes, drill bits, tools and unopened crates. Mute testimony to some of the problems.

Dr. Shearn received his B.Sc. from the University of Birmingham in the spring of 1946. He did research at that University until the spring of 1948 when he took a position with Trinidad Leaseholds and spent two or three months on that island. In the fall of 1948 he accepted a teaching assignment at Birmingham where he spent the next 18 months. The summer of 1950 saw him in Texas with Humble and in the fall of that year he returned to teaching duties at the University of Birmingham and began work on his Ph.D. (in addition to his duties as lecturer). He received this degree, in Chemical Engineering, in December of 1954.

Dr. and Mrs. Shearn arrived in Canada in April, 1955, and after a short stay in Saskatoon, they proceeded to Calgary where Dr. Shearn spent the summer months with Shell Oil's reservoir engineering department in the area office.

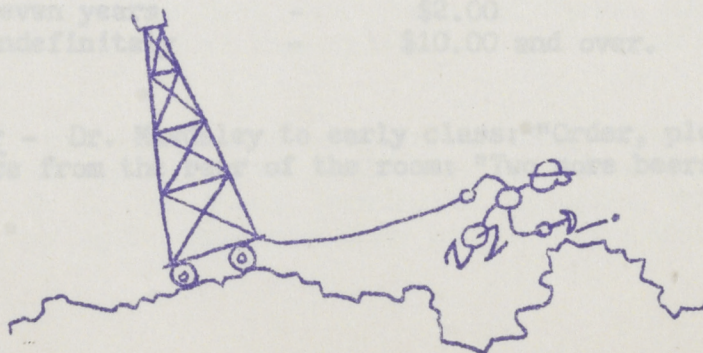
Dr. Shearn mentioned the significant amount of material contributed by various oil companies and equipment manufacturers in the form of oil well tools, lab equipment, models, etc. The accumulation of material was a slow process generally and this type of assistance aided considerably.

Although this year's graduates (5) will be men who have completed the third year of the geological engineering course it is hoped that in the future third year chemical engineers will enter the 4th year of this course.

The Ore Gangue and The Concentrates wish Dr. Shearn and his crew much success for the future. With a continuously enlarging oil industry his graduates are much in demand.

### SUBSCRIPTION RATES

Three years	\$1.00
Seven years	\$2.00
Indefinite	\$10.00 and over.









Kudos to:

Mrs. E. Sins - Geology librarian and stenographer without whose considerable assistance the Concentrates would be impossible.

Ernie Hawkins - The Geology lab technician who has prepared innumerable thin sections for theses, etc., and also acted as a readily available willing wall for the undergraduates.

Roger Eckstrand - who won the Ore Gangue Memorial Prize for scholastic ability last year and who graduated with great distinction.

The faculty - which sees the rising salary levels the "graduating" class receives year by year and wonders what everything over \$250 per month is being paid for.

Roy Rudichuk and Joe Dundas - newly elected president and secretary treasurer respectively of the 1956-57 Ore Gangue.

Murray Galbraith - a 4th year civil engineer who's artwork adorns this issue of the Concentrates.

Charlie Chernoff - who will answer any question from the earthworm's contribution to soil science to the Mesolithic era of man's evolution for a kind word and a pat on the head.

NOTICE TO SUBSCRIBERS

You can ensure continued receipt of the Concentrates by keeping your subscription paid up. All money should be sent to Dr. A. R. Byers, the Honorary Treasurer. Also, please notify the Geology of change of address in order that records may be kept up-to-date.

SUBSCRIPTION RATES

Three years	-	\$1.00
Seven years	-	\$2.00
Indefinitely	-	\$10.00 and over.

Early riser - Dr. Mawdsley to early class: "Order, please,"  
Jake's drowsy voice from the rear of the room: "Two more beers."







THE ANNUAL WESTERN MEETING  
of the  
CANADIAN INSTITUTE OF MINING AND METALLURGY,  
Saskatoon, Sask. October 17 - 19, 1955

"It is fitting that Saskatchewan's fiftieth birthday should be celebrated at a time when the province is reaping the rewards from the efforts of the pioneers in mineral resources development in rapidly increasing mineral discovery and production on a scale surpassing all previous activity in the fields."

In these words, the Honorable J. H. Brockelbank, Minister of Natural Resources for the Province, voiced the spirit of the Golden Jubilee year commemorating the fiftieth anniversary of this Province, which is no longer a Province of "one-crop economy" - wheat. It was, therefore, appropriate that the members of the C.I.M.M. in Saskatchewan chose to hold the thirty-sixth Annual Western Meeting, and by doing so demonstrated that they are now prepared, when the time arises, to become host to future meetings of the C.I.M.M.

Registration was handled on the first floor of the Bessborough Hotel, the hotel chosen for the meeting. At the registration desk, besides obtaining tickets for each day's function, a folder was presented which contained a copy of the program of the meeting, a booklet on "Pioneer Geologists in Saskatchewan" by W. O. Kupsch, and another entitled "Progress, a Survey of Saskatchewan Government Activity."

Registration facilities were available at the Bessborough during the afternoon and evening of October 16th and again Monday, 17th, and throughout the meeting.

Upto noon of the opening day, 300 persons had registered, and before registration was complete nearly 400 persons had registered, including 65 ladies. Delegates came from as far as Nova Scotia, Yukon, Northwest Territories, and California. It is interesting to note that student registration made up close to 10 per cent of the total number of members registered. The students, all members of the Ore Gangue, were given three days leave from classes and were allowed to register free of charge.

The formal part of the meeting got under way at an inaugural Plenary Session Monday morning, 17th, when Dr. Y. O. Fortier, head of the Arctic section of the Geological Survey of Canada, addressed a large audience on "Geological Exploration of the Canadian Arctic Islands."

A general technical session followed on Monday afternoon with W. G. Worcester, Professor Emeritus, University of Saskatchewan, as chairman, and Dr. G. H. Charlewood, Provincial Geologist, Manitoba, as co-chairman. During the afternoon four papers were presented.







On Tuesday, three technical sessions were held simultaneously, both in the morning and afternoon. On Wednesday morning, there were two simultaneous technical sessions. The technical part of the Convention closed with a Plenary Session on Wednesday afternoon.

Of special interest to all Ore Ganguesters were two papers, one presented by Dr. J. B. Mawdsley and the other by Dr. A. R. Byers, both of whom are professors at the University of Saskatchewan.

Dr. Mawdsley's paper "Unfolding of the Geology of Northern Saskatchewan" was the second paper of the General Technical Session. In his paper Dr. Mawdsley reviewed the progress made in northern Saskatchewan as more and more geological exploration and mapping was carried out, especially in those areas explored or being explored for uranium.

Dr. Byer's paper, the first of several presented Tuesday afternoon was entitled "Geochemical Field Studies in the Flin Flon Area, Saskatchewan." Dr. Byer's report was based on a series of tests and conclusions reached after he had carried out extensive tests over known ore, sub-ore and barren sulfide deposits.

Luncheons were held each noon throughout the three days. On Monday the luncheon was tendered by the Saskatchewan Government and as a result most of the student members were able to attend. The remaining luncheons and dinners, however, proved to be too costly for most student members and very few of them attended any, but the first luncheon. It was noted, though, that although many students missed the luncheon, very few of them missed the Reception and Rendezvous on Monday evening.

The Convention drew to a close on Wednesday evening with the President's Ball a fitting climax to the meeting.

From an Ore Gangue member's point of view, the Convention was a great experience. For almost all of the student members who attended, this was their first real Convention, and, like catnip to a cat, it won't be the last.

#### An Interesting F -

Teacher (to history student): "So you want to know why you didn't pass your test? Well, your answer to the question, "Why did the pioneers go into the wilderness" was interesting from the standpoint of sanitation and romance, but it was still incorrect!"







### BANQUET AT J.D.'s

On November 24 a banquet at Jay Dee's Restaurant on 8th Street was attended by about forty students, faculty members and former Ore Ganguesters. All expressed satisfaction with the delicious steak dinner and with the suitable refreshments supplied before and after the meal.

After dinner an entertaining program of slides was presented by Charlie Chernoff, Bob Hovdebo, Don Kent, Lee Morrison and George Tikkanen. This program was enlivened by much good-natured heckling from the audience as well as by the sometimes inadvertently funny commentaries of the projectionists themselves.

The party broke up at about eleven o'clock with everyone in high good humor. The general consensus of opinion of the departing celebrants was that the Ore Gangue should hold similar functions at least twice weekly.

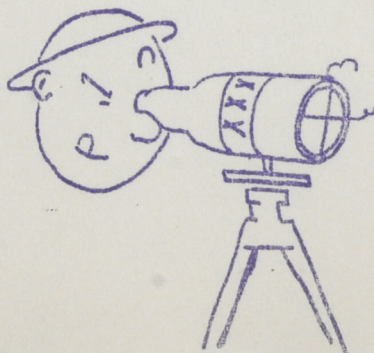
### SPRING BANQUET

A spirit of celebration simultaneously arrived with the punch at the 1955 Ore Gangue banquet last March 14th. To most of those present, however, the location at the Club "400" made for an early start on the evening and the party actually got underway before the doors were opened.

Toastmaster of the evening was Ron Olson, the newly elected Ore Gangue president. Bob Meneley toasted the grads and Lloyd Neilson responded. Dr. Byers replied to Charlie Chernoff's toast to the faculty.

Dr. J. B. Harrington, as guest speaker, presented a very interesting talk on Egypt and India. Dr. Harrington, on leave of absence from the University, had recently returned from the Middle East where he had spent some time with the Food and Agricultural Organization of the U.N. as agricultural advisor. He illustrated his talk with numerous slides he had taken while in these countries.

The party broke up shortly after 10 o'clock finishing, as it had started, outside the Club "400".









Mc. McCloy

Ron Olson

Doug Logan

Keith Greenwood

George Fikkaner

J. P. Mc Linn

B. D. Cochran

W. A. Wadant

J. P. Bishko

T. Kangk

Don Smith

L. Matrine

Spratt

W. Oke

Bob McHenry

Gary Edwards

W. H. McHenry

A. P. Bennett

Jack Wild



